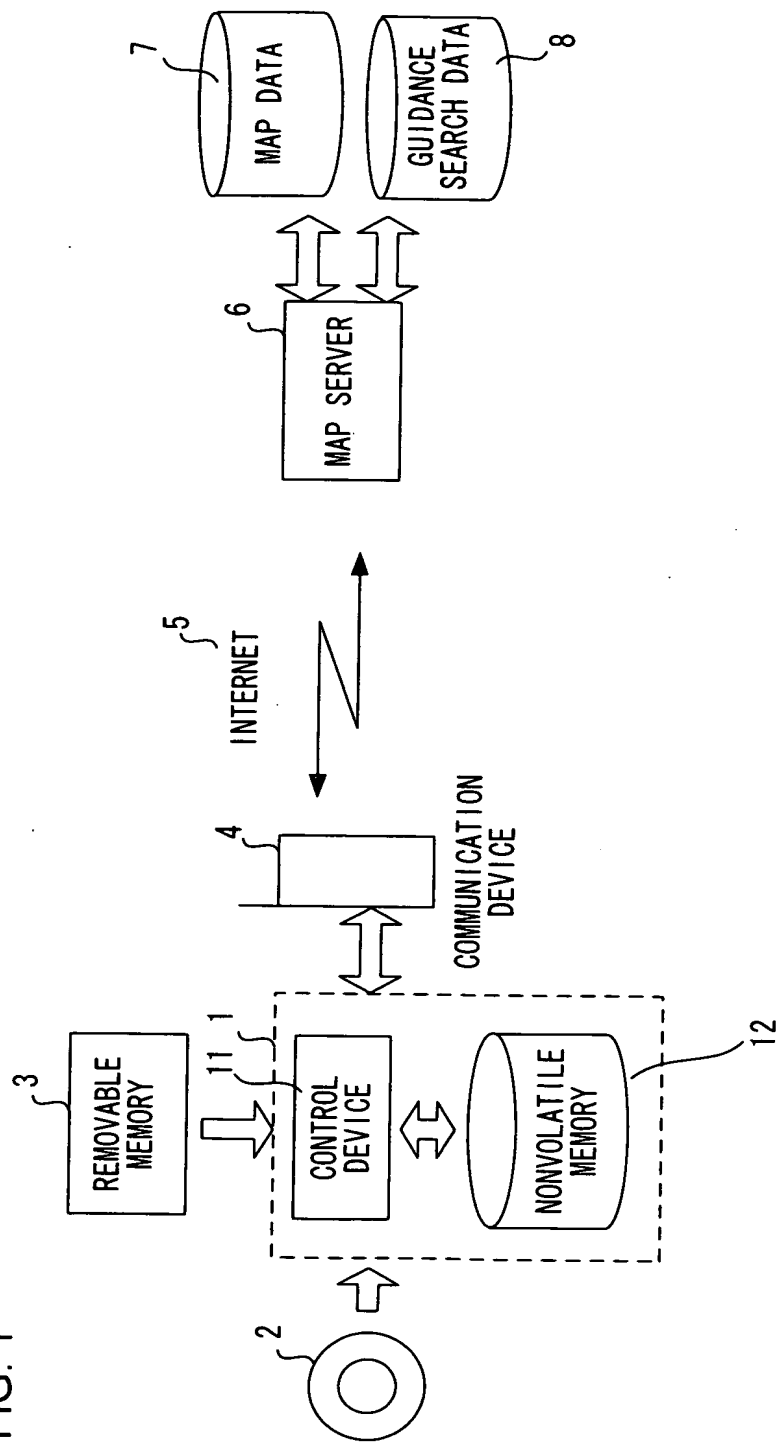


FIG. 1



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FIG. 2

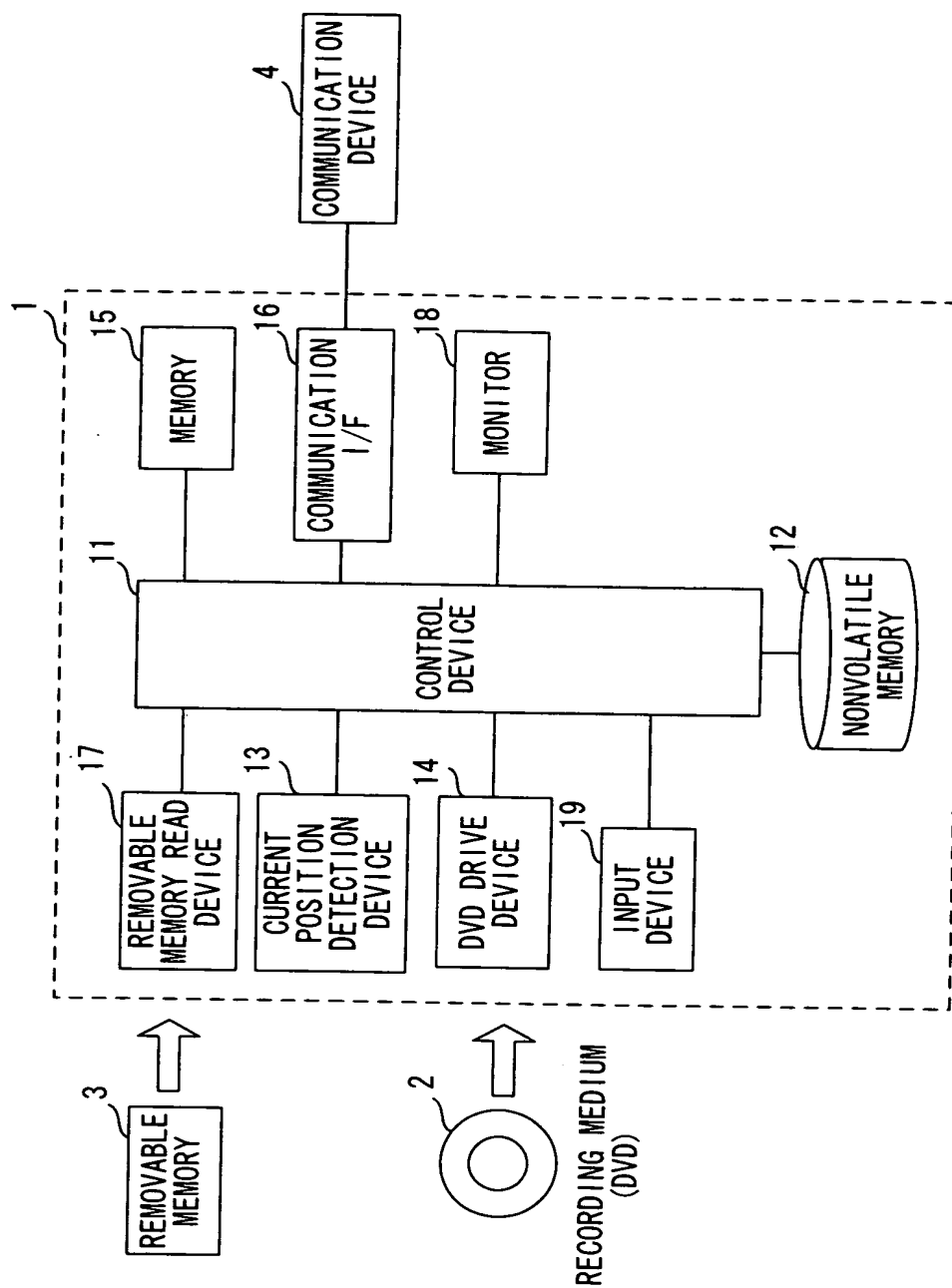


FIG. 3

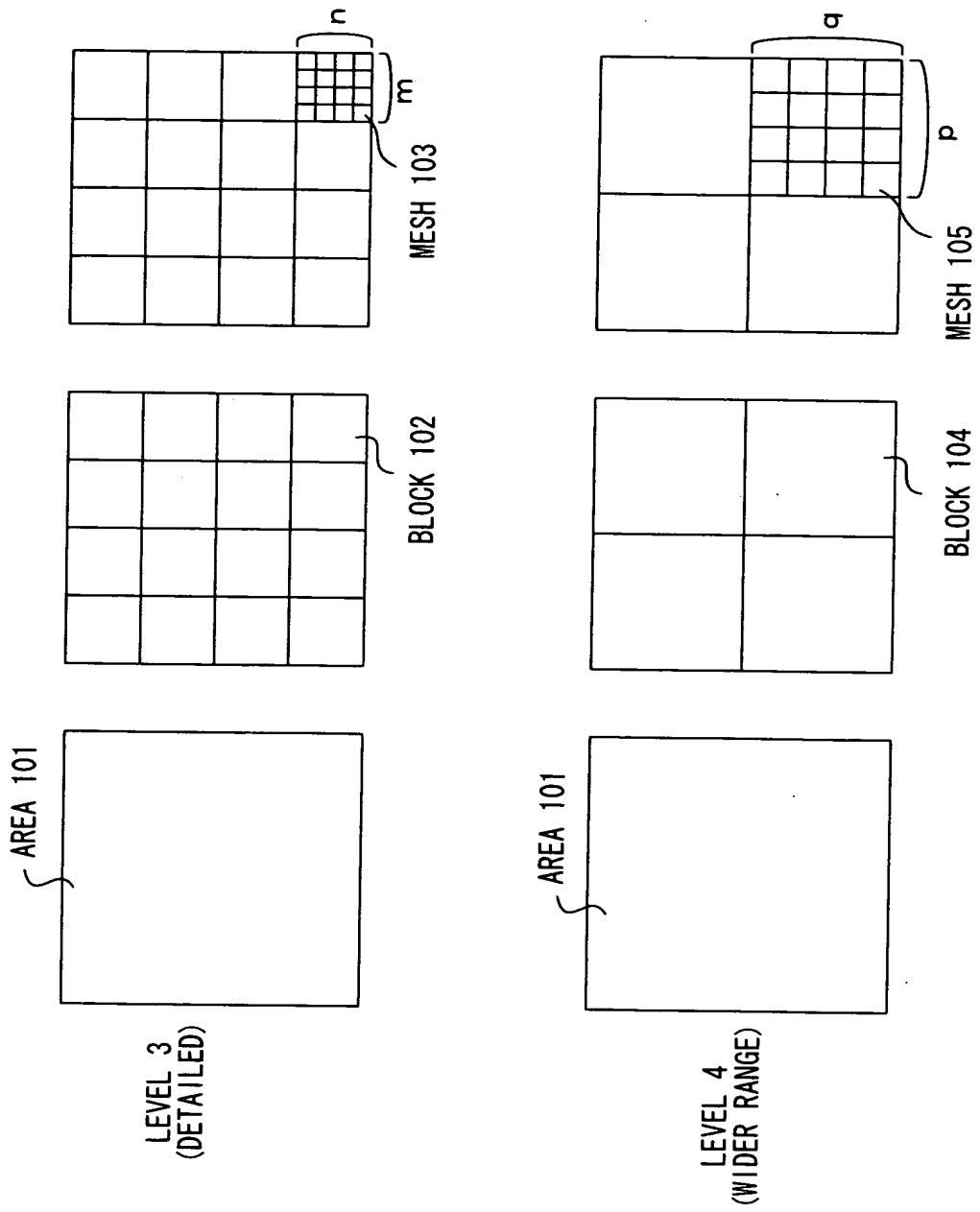
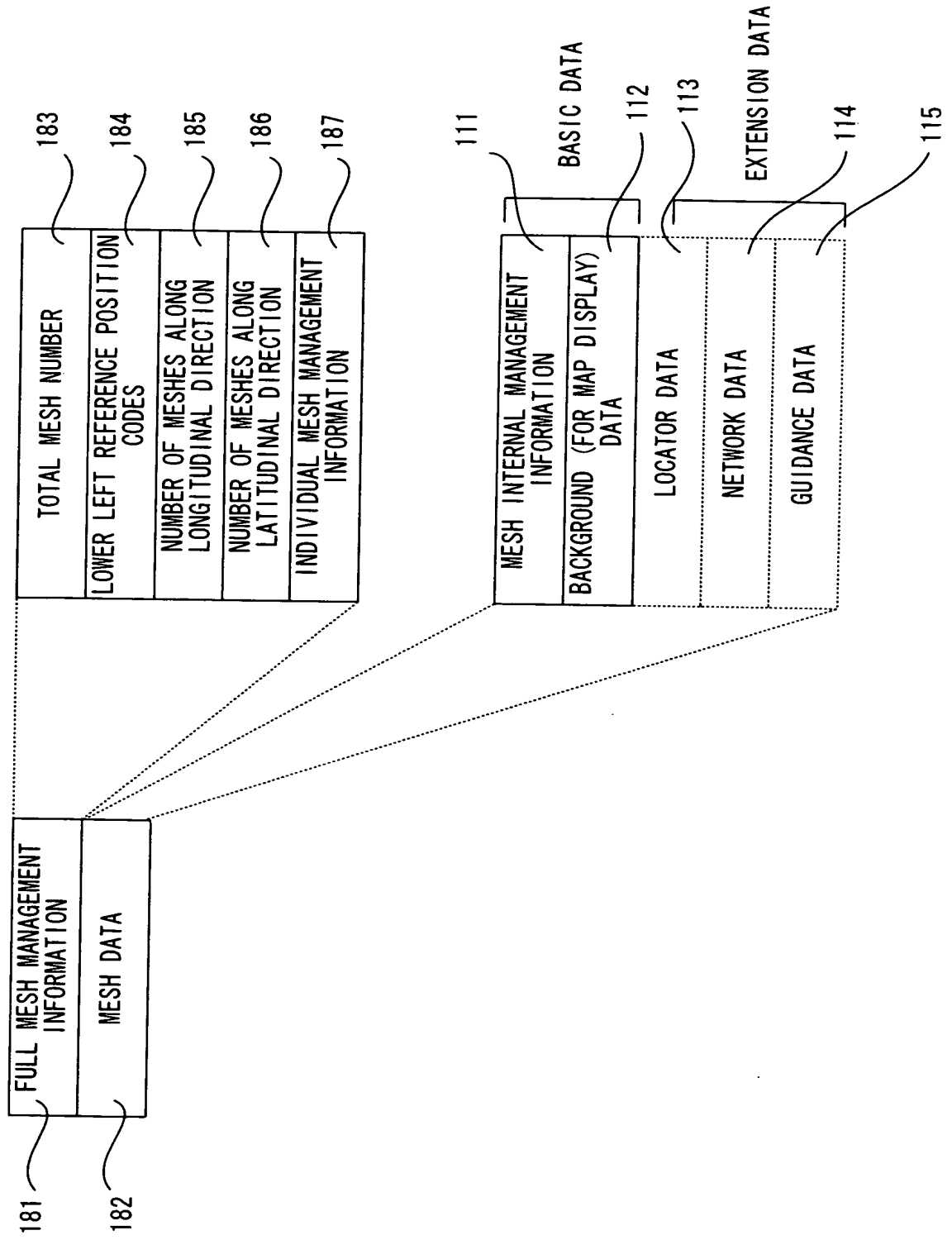
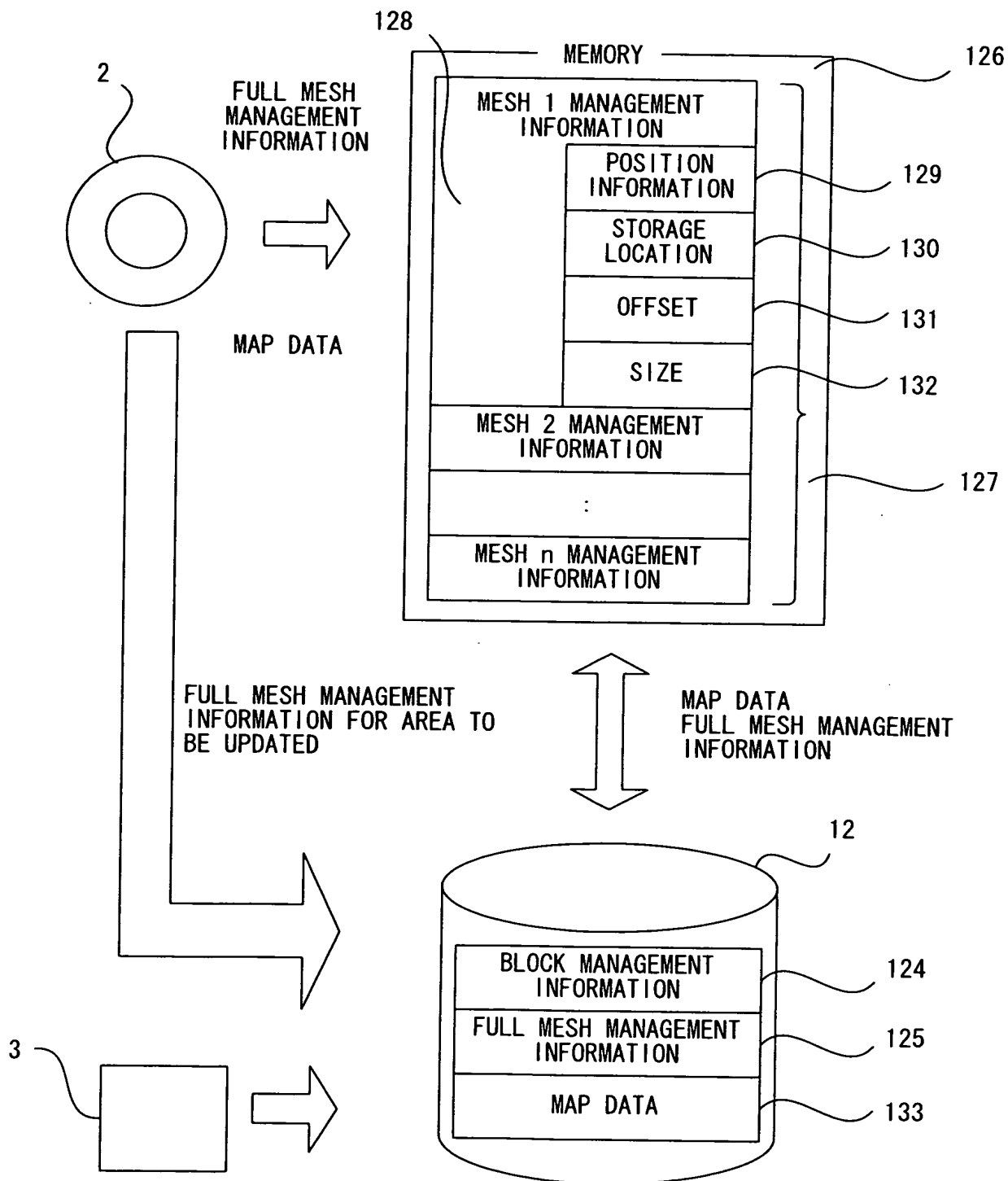


FIG. 4



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FIG. 5



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FIG. 6

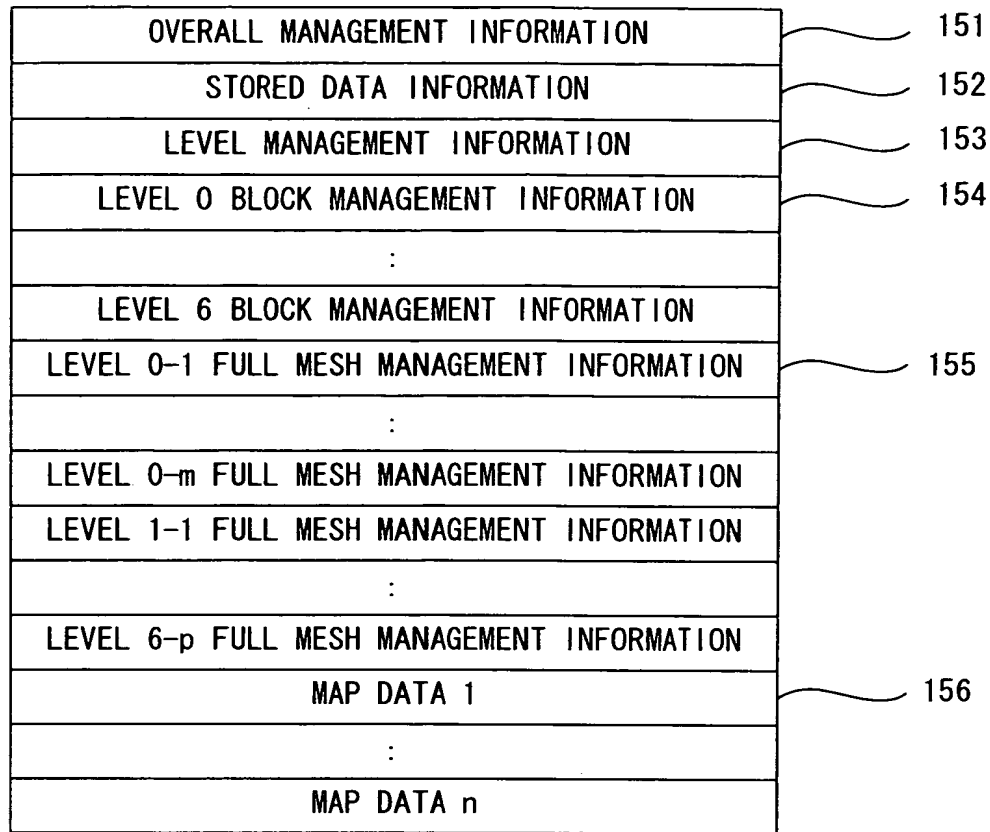


FIG. 7

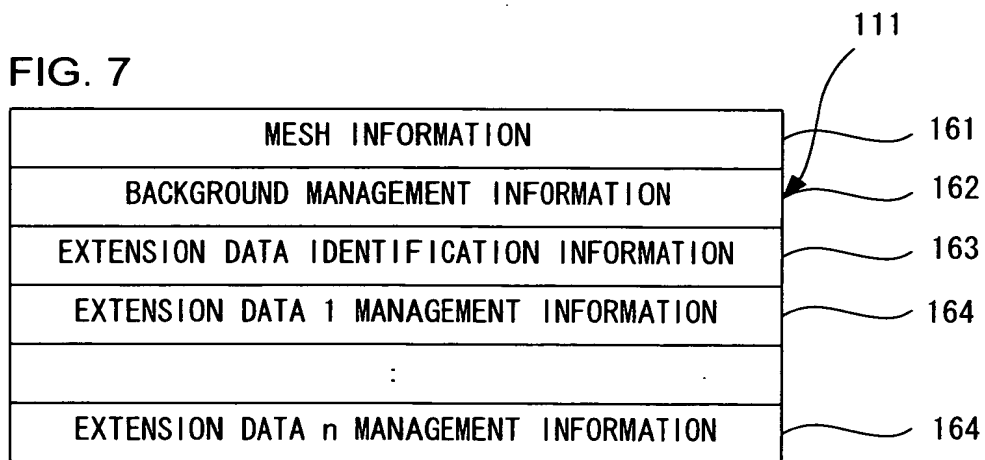
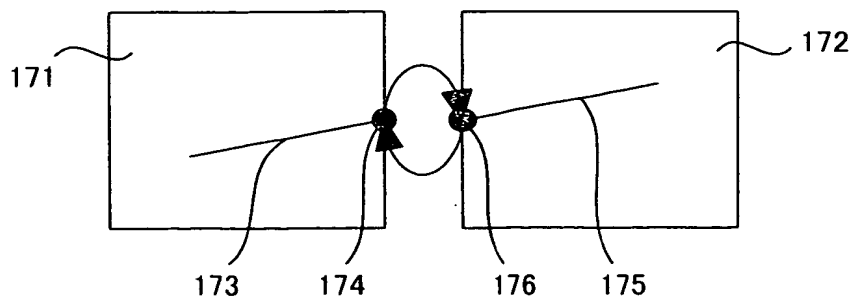
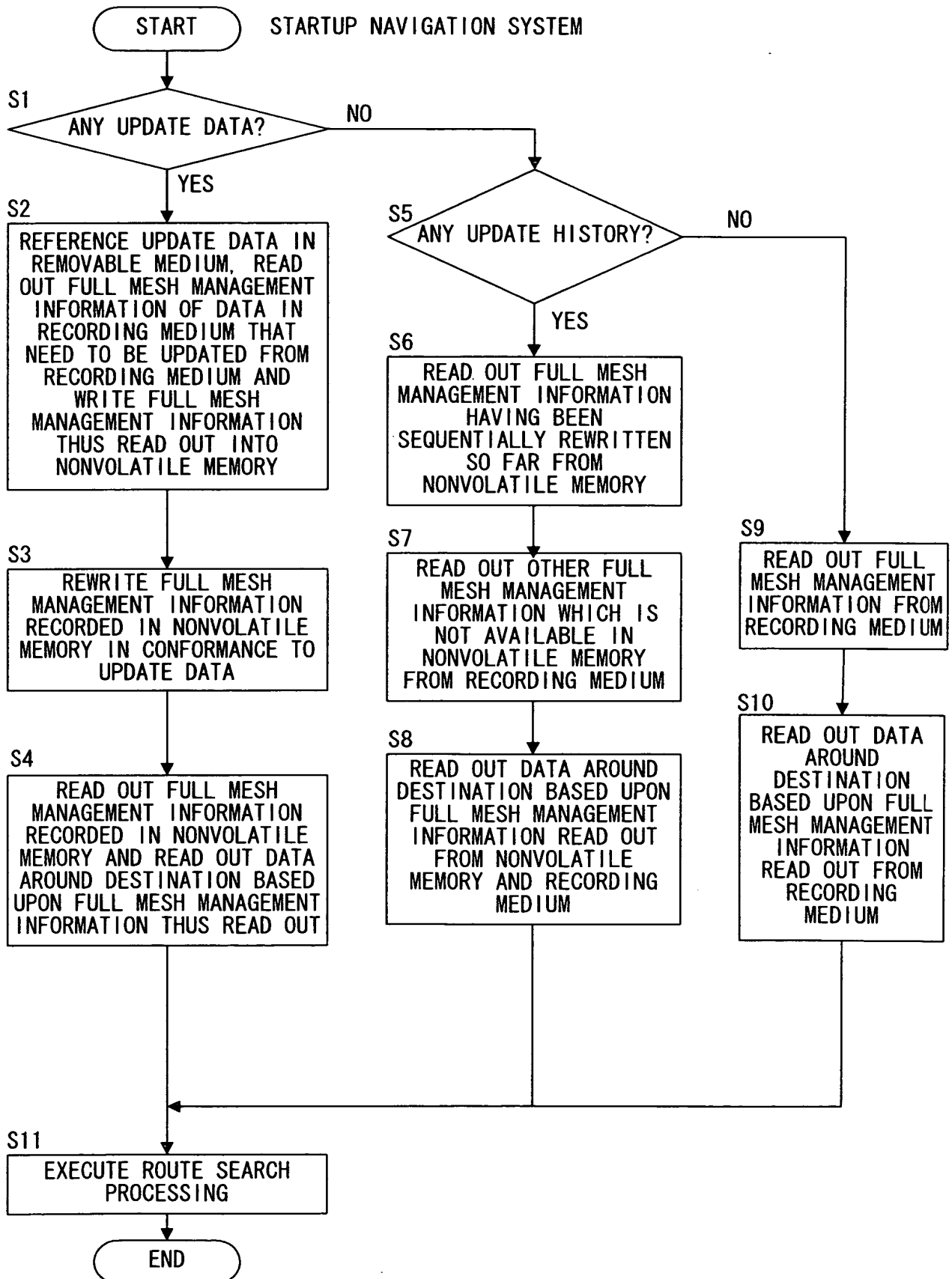


FIG. 8



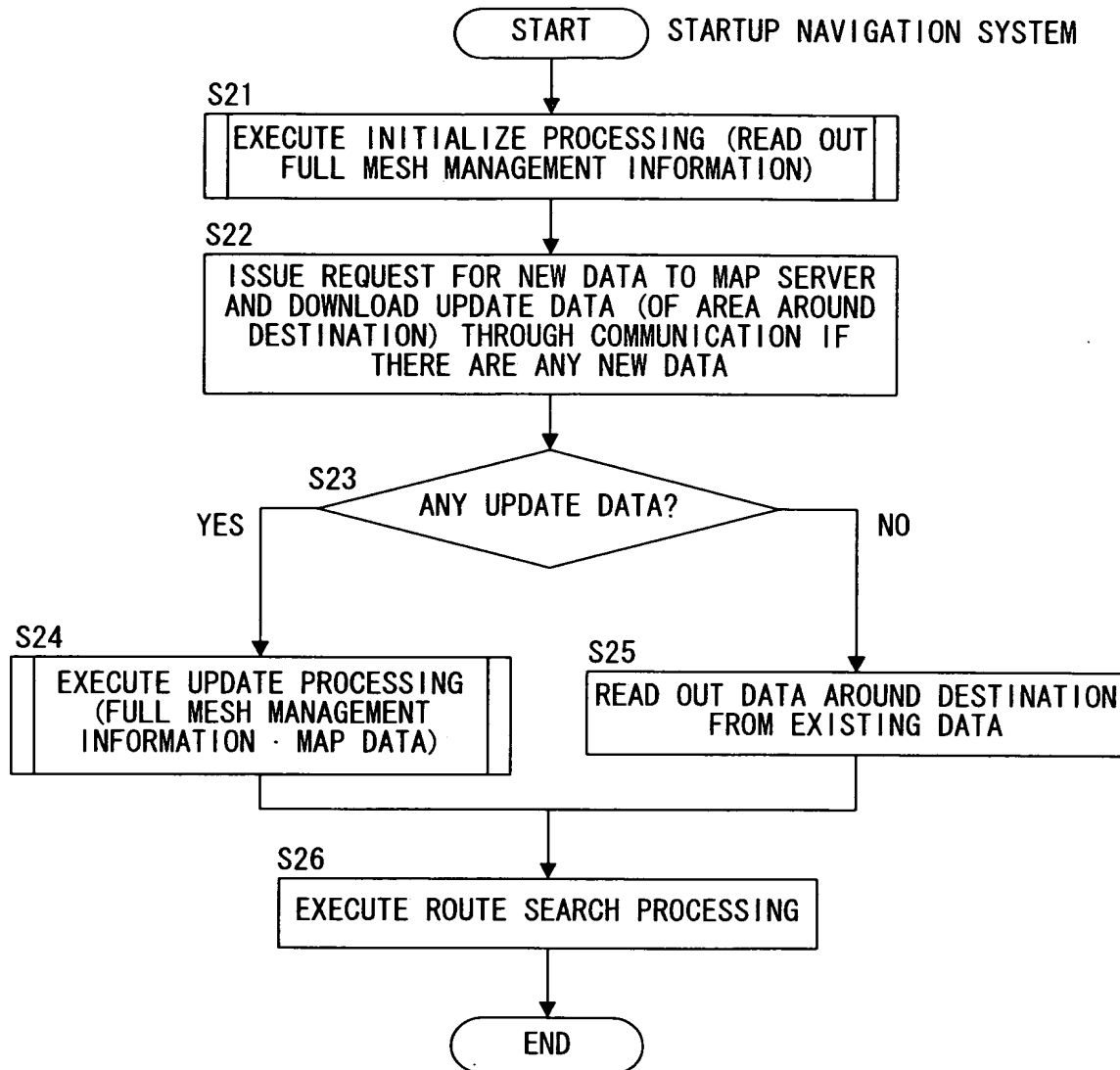
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FIG. 9



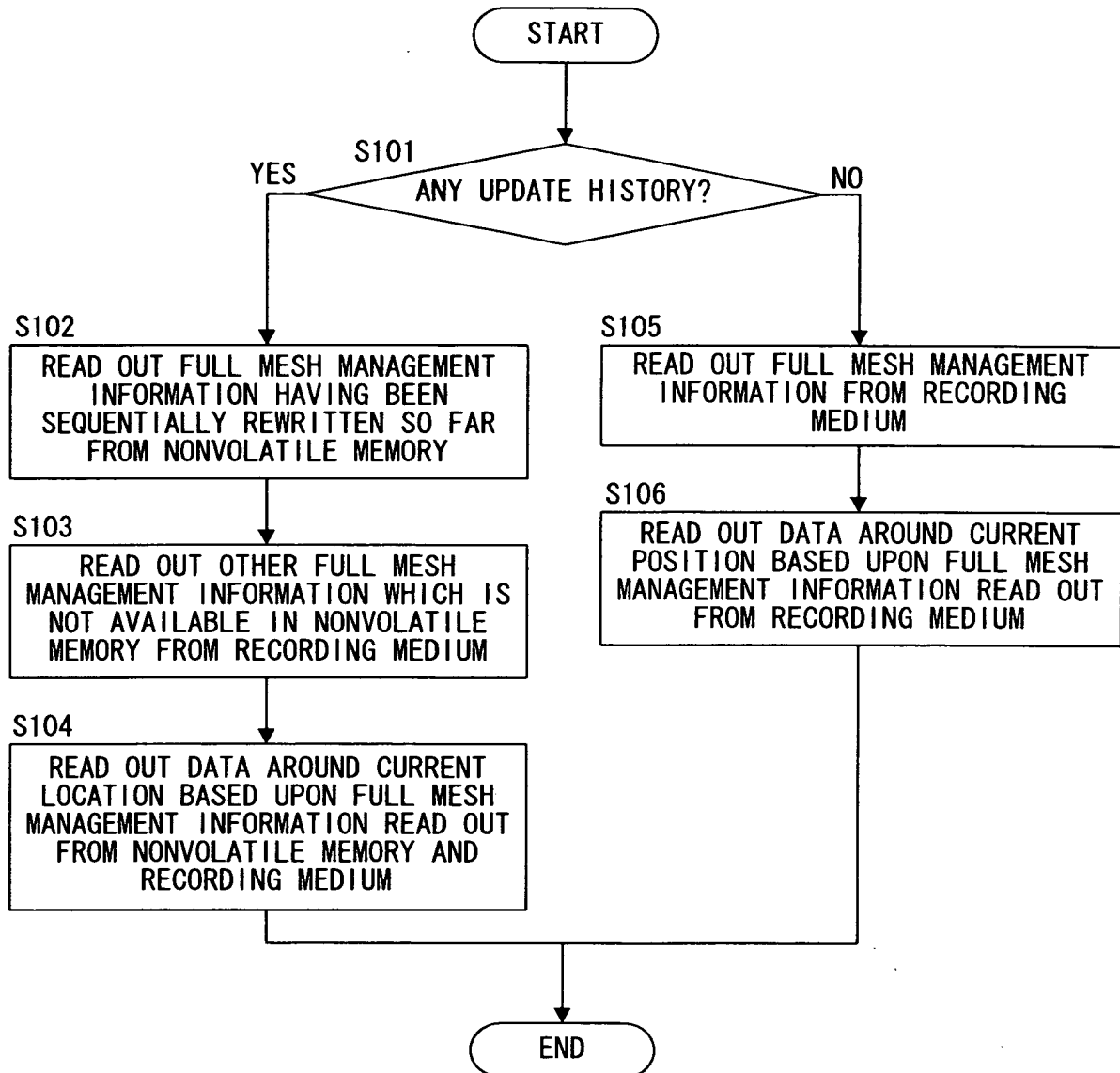
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FIG. 10



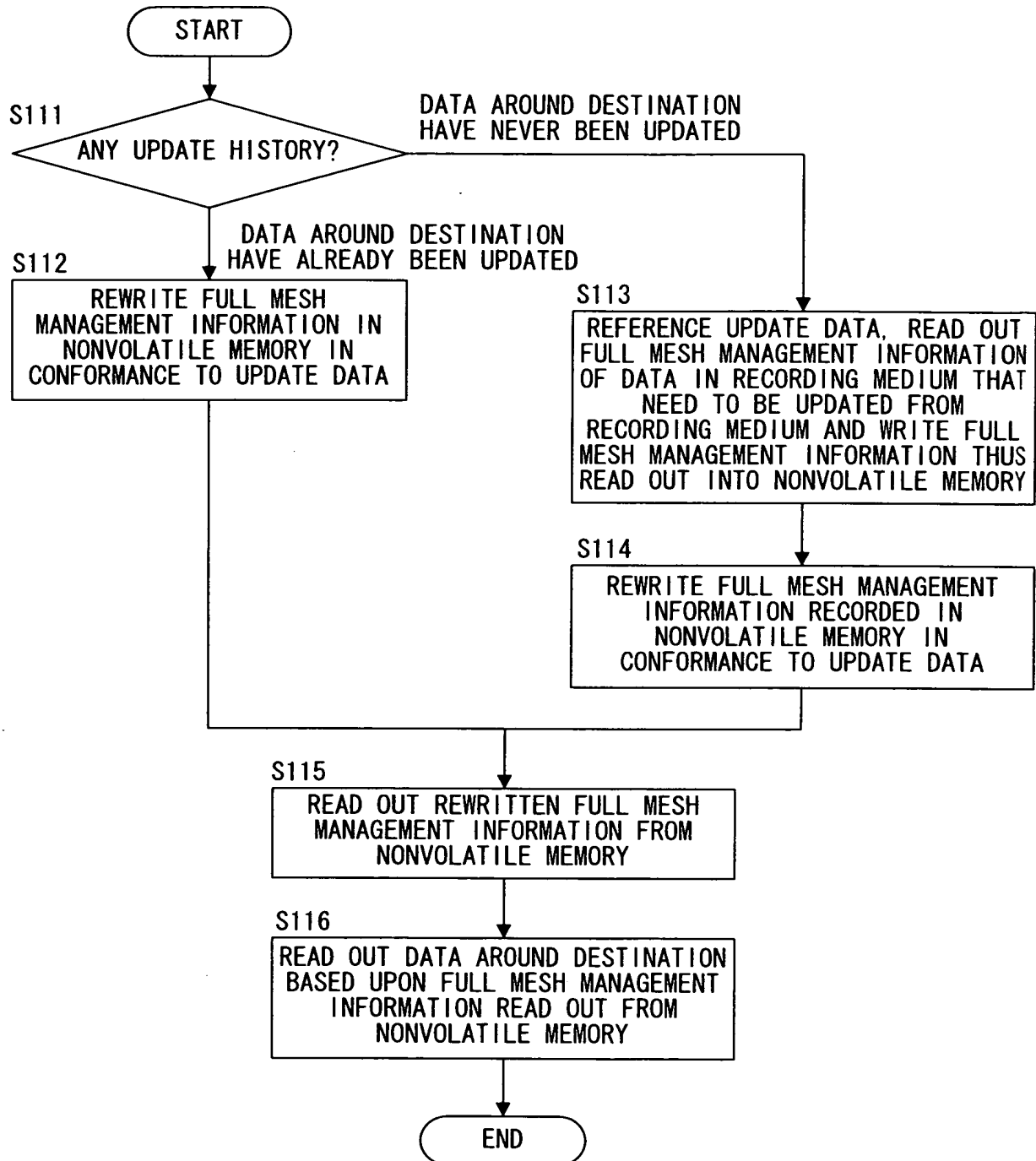
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FIG. 11



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FIG. 12



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FIG. 13

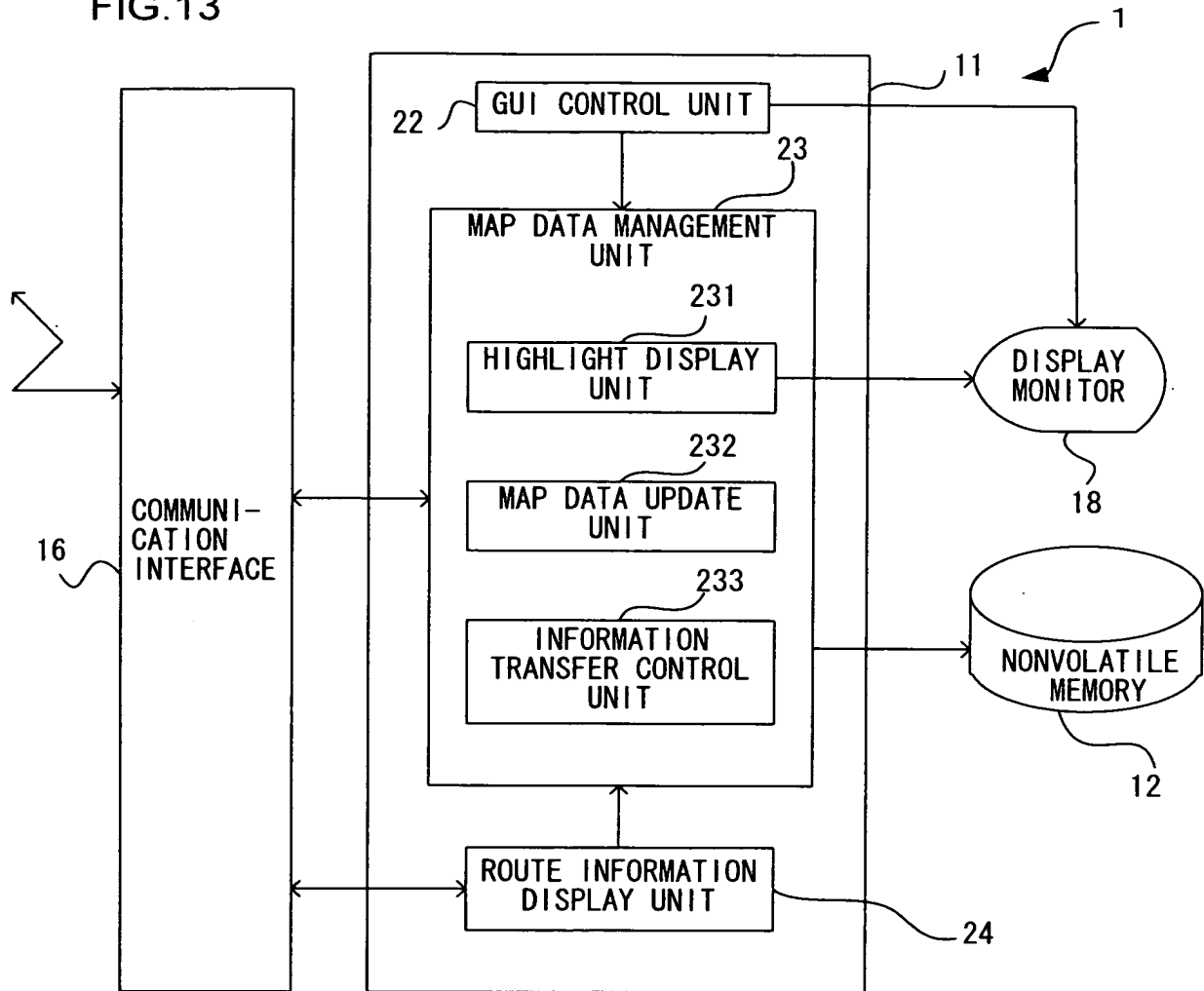
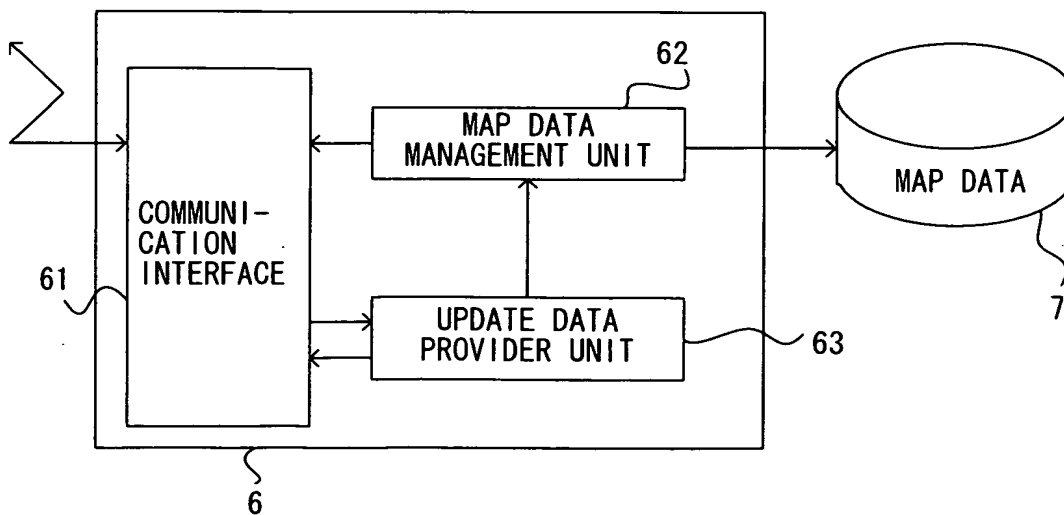
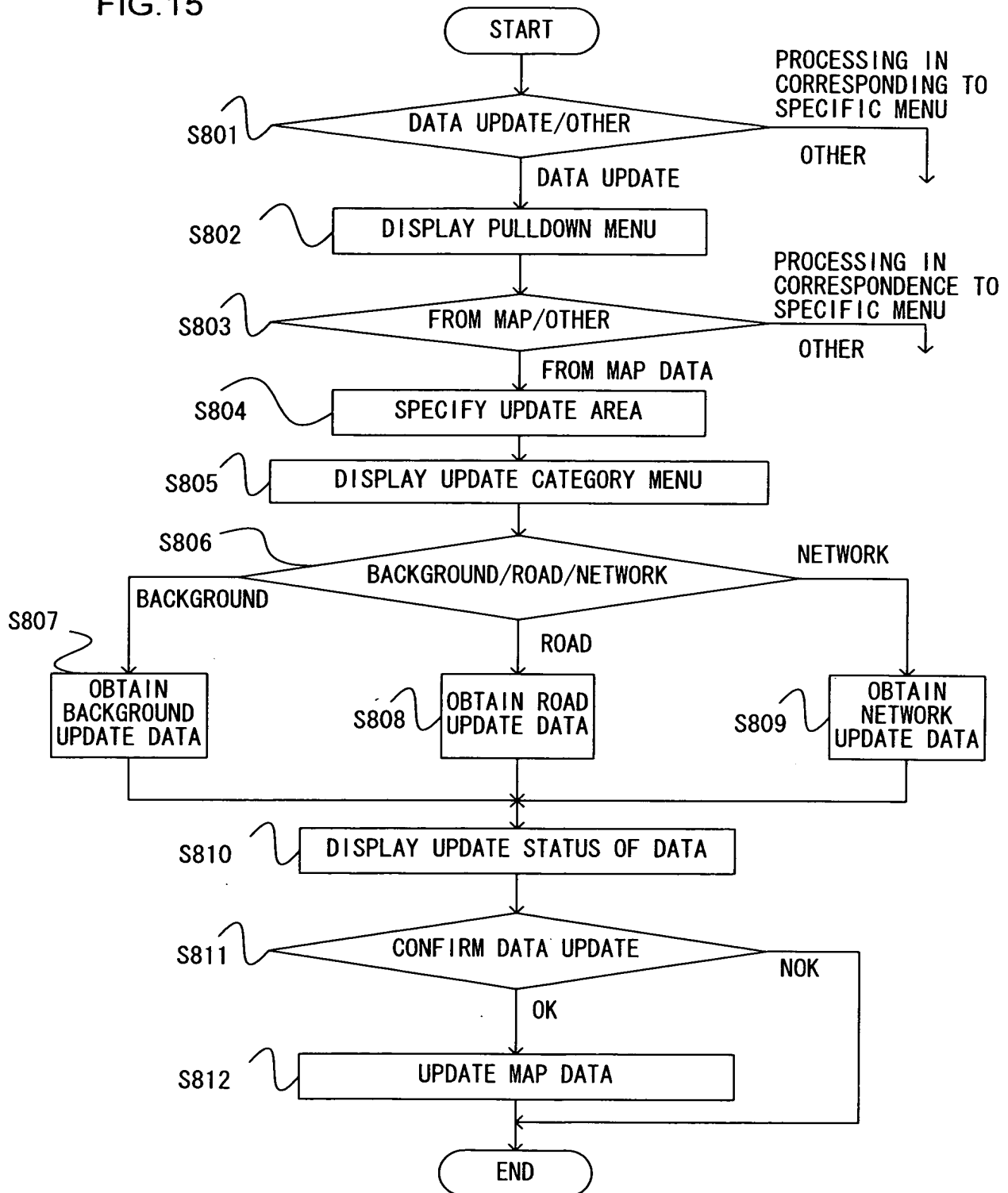


FIG. 14



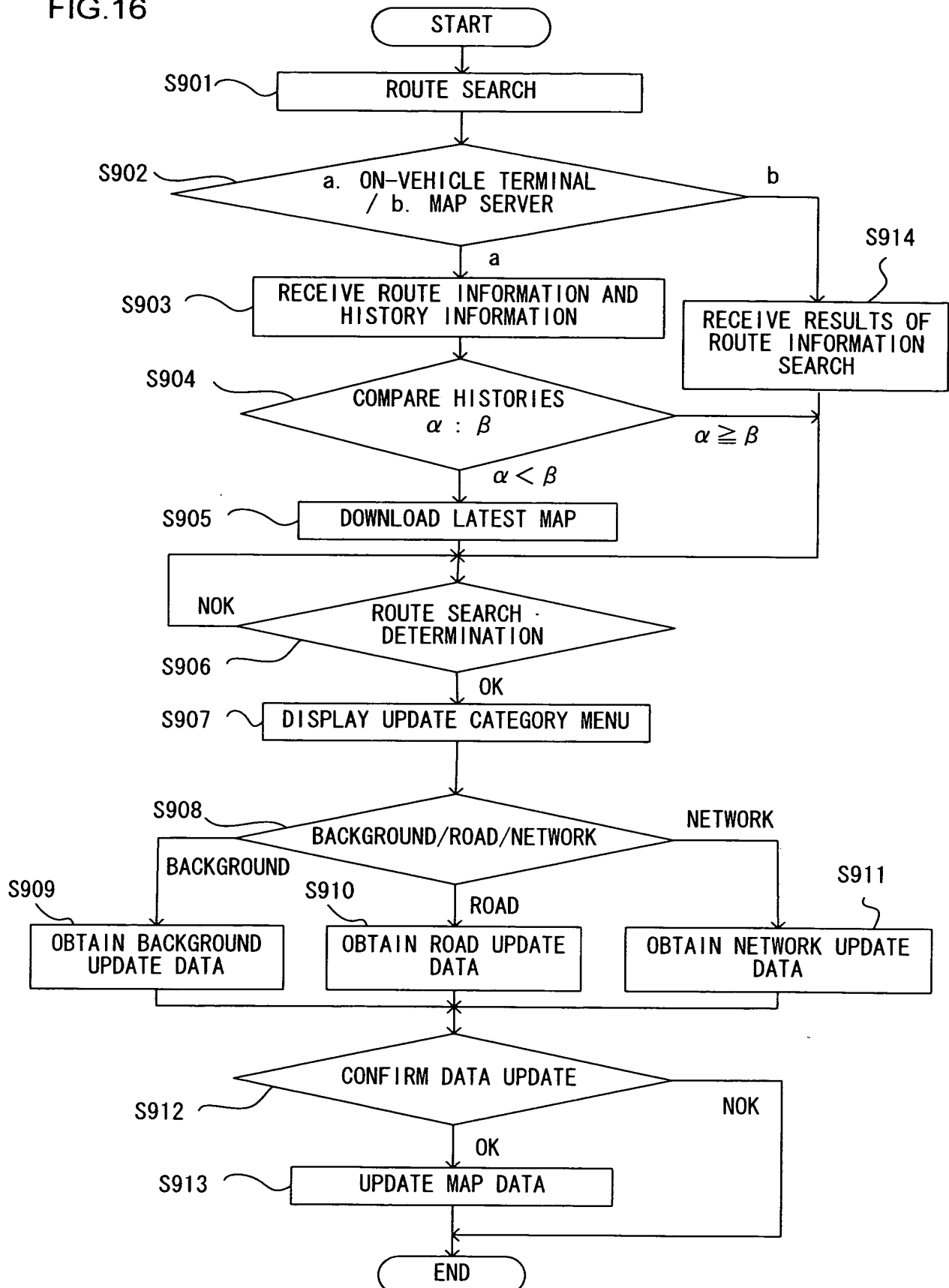
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FIG.15



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FIG.16



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FIG. 17

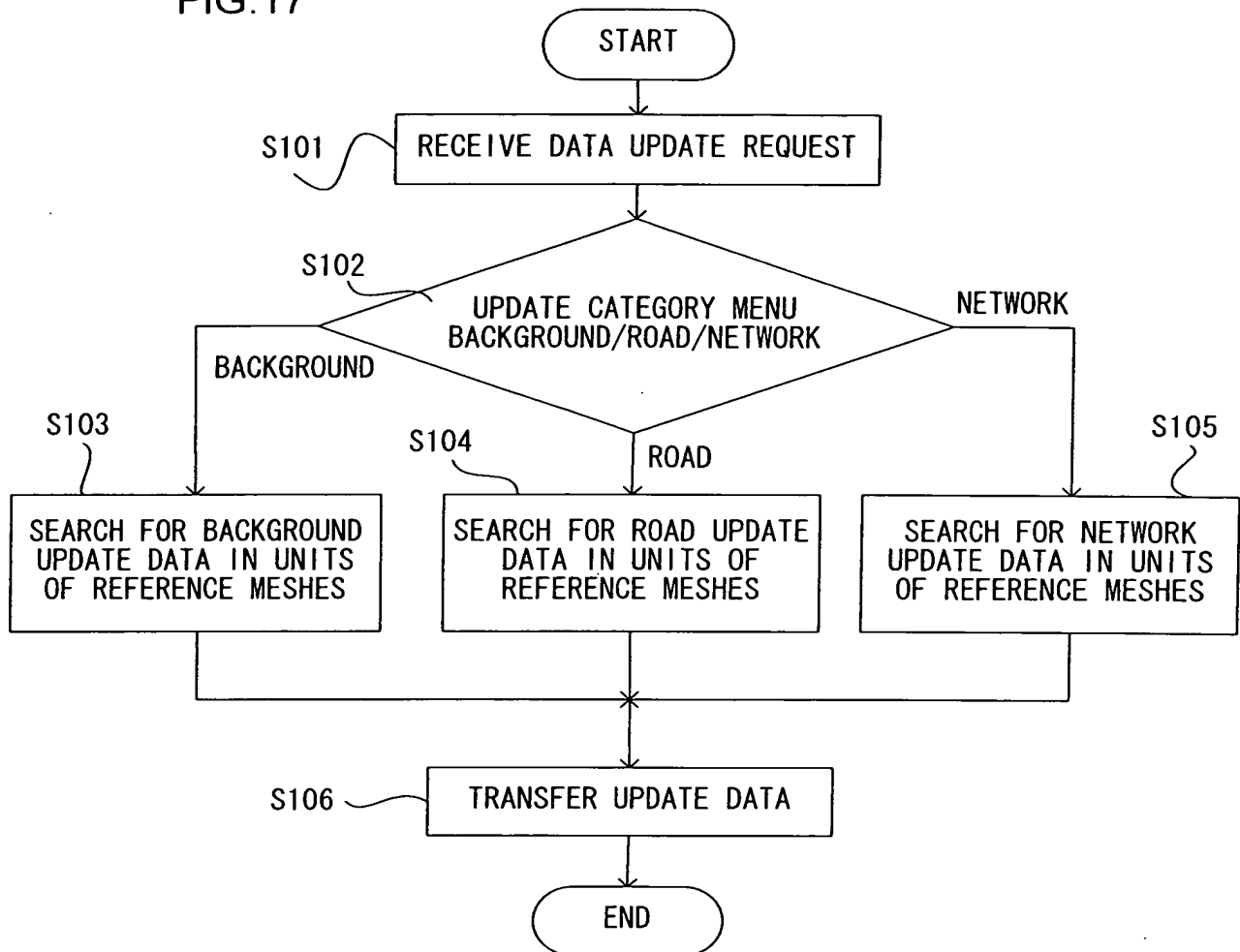
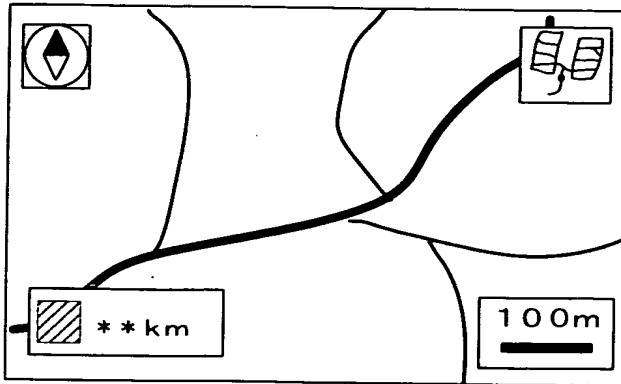


FIG.18

15/21 (c)

(a) REGULAR MAP SCREEN



(b) SELECT DATA UPDATE MENU

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
SPECIFIC REGION				
SPECIFIC ROAD				
ALONG ROUTE TO DESTINATION				
GUIDE SEARCH INFORMATION				
SPECIFIC CATEGORY				
*** UPDATE DATA ***				

100m

(g) SELECT UPDATE DATA BASED UPON GUIDE SEARCH INFORMATION

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
SPECIFIC REGION				
SPECIFIC ROAD				
ALONG ROUTE TO DESTINATION				
GUIDE SEARCH INFORMATION				
*** UPDATE DATA ***				

100m

(h) SELECT UPDATE DATA IN SPECIFIC CATEGORY

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
SPECIFIC REGION				
SPECIFIC ROAD				
ALONG ROUTE TO DESTINATION				
GUIDE SEARCH INFORMATION				
SPECIFIC CATEGORY				
*** UPDATE DATA ***				

100m

TO FIG. 17

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
SPECIFIC REGION				
SPECIFIC ROAD				
ALONG ROUTE TO DESTINATION				
GUIDE SEARCH INFORMATION				
*** UPDATE DATA ***				

100m

(d) SELECT UPDATE DATA IN MAP ON DISPLAY

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
SPECIFIC REGION				
SPECIFIC ROAD				
ALONG ROUTE TO DESTINATION				
GUIDE SEARCH INFORMATION				
*** UPDATE DATA ***				

100m

(e) SELECT UPDATE DATA IN SPECIFIC REGION

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
SPECIFIC REGION				
SPECIFIC ROAD				
ALONG ROUTE TO DESTINATION				
GUIDE SEARCH INFORMATION				
*** UPDATE DATA ***				

100m

(f) SELECT UPDATE DATA ALONG SPECIFIC ROAD

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
SPECIFIC REGION				
SPECIFIC ROAD				
ALONG ROUTE TO DESTINATION				
GUIDE SEARCH INFORMATION				
*** UPDATE DATA ***				

100m

SELECT UPDATE DATA ALONG SEARCHED ROUTE

TO FIG. 22

FIG.19

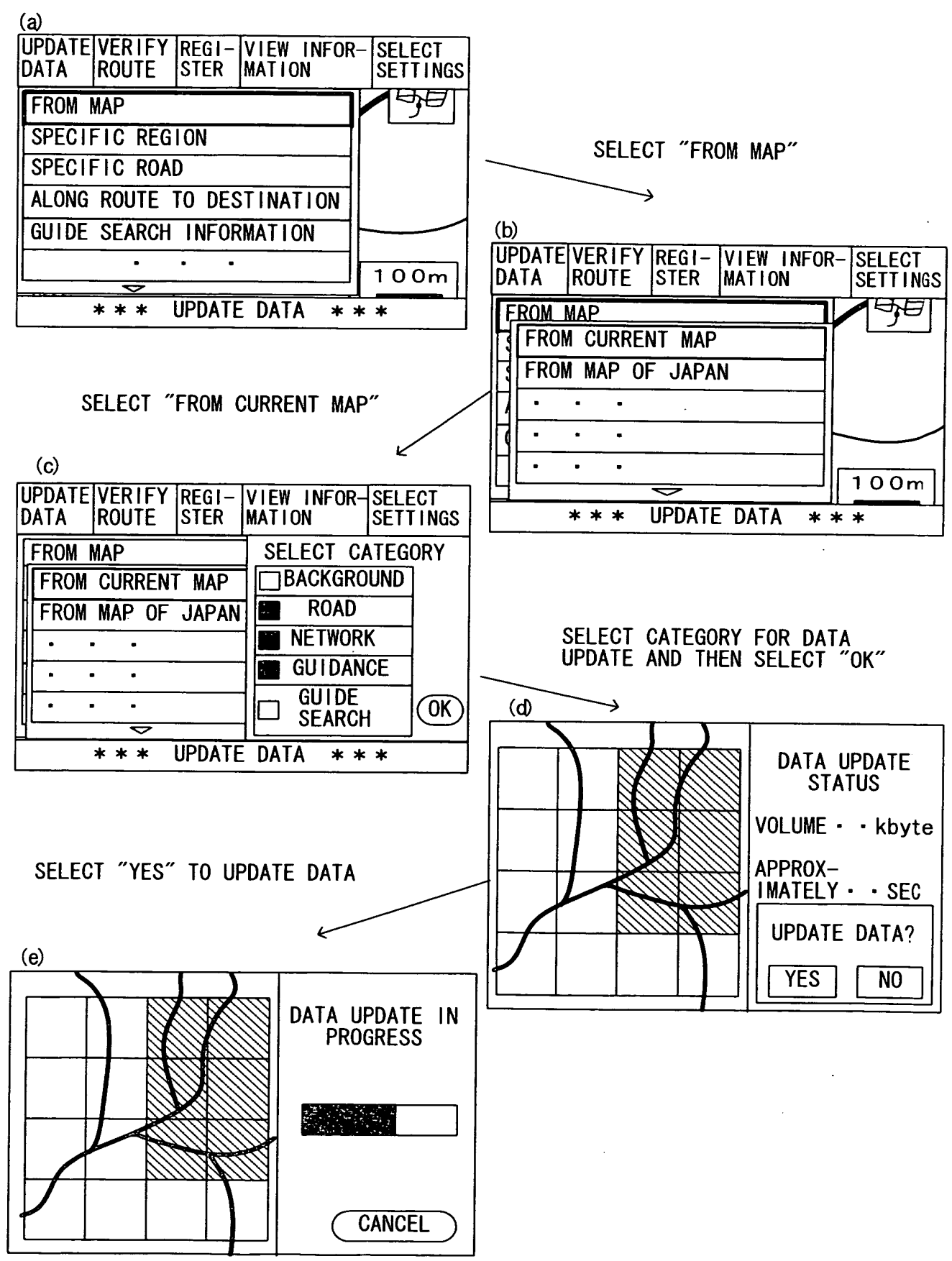


FIG.20

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(a)

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
SPECIFIC REGION				
SPECIFIC ROAD				
ALONG ROUTE TO DESTINATION				
GUIDE SEARCH INFORMATION				
. . .				
100m				
*** UPDATE DATA ***				

(b) ↓ SELECT "SPECIFIC REGION"

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
PREFECTURE, MUNICIPALITY				
TOURIST SPOT				
. . .				
. . .				
. . .				
100m				
*** UPDATE DATA ***				

(c) ↓ SELECT "PREFECTURE, MUNICIPALITY"

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
TOKYO				
KANAGAWA PREFECTURE				
CHIBA PREFECTURE				
. . .				
100m				
*** UPDATE DATA ***				

(d) ↓ SELECT "KANAGAWA PREFECTURE"

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
KAWASAKI CITY				
YOKOHAMA CITY				
ZAMA CITY				
. . .				
100m				
*** UPDATE DATA ***				

SELECT "YOKOHAMA CITY"

(e)

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
KAWASAKI CITY				
YOKOHAMA CITY				
ZAMA CITY				
. . .				
SELECT CATEGORY				
<input type="checkbox"/> BACKGROUND				
<input checked="" type="checkbox"/> ROAD				
<input checked="" type="checkbox"/> NETWORK				
<input checked="" type="checkbox"/> GUIDANCE				
<input type="checkbox"/> GUIDE SEARCH				(OK)
*** UPDATE DATA ***				

SELECT CATEGORY FOR DATA UPDATE AND THEN SELECT "OK"

(f)

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
KAWASAKI CITY				
YOKOHAMA CITY				
ZAMA CITY				
. . .				
NEW DATA AVAILABLE				
VOLUME . . kbyte				
APPROXI-MATELY . . SEC				
UPDATE DATA?				
YES NO				
*** UPDATE DATA ***				

SELECT "YES" TO UPDATE DATA



(g)

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				
KAWASAKI CITY				
YOKOHAMA CITY				
ZAMA CITY				
. . .				
DATA UPDATE IN PROGRESS				
CANCEL				
*** UPDATE DATA ***				

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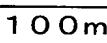
FIG.21

(a)

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				 
SPECIFIC REGION				
SPECIFIC ROAD				
ALONG ROUTE TO DESTINATION				
GUIDE SEARCH INFORMATION				
. . .				
*** UPDATE DATA ***				

SELECT "SPECIFIC ROAD"

(b)

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP				 
SHUTOKOH EXPRESS CIRCLE ROUTE				
TOMEI EXPRESS HIGHWAY				
HANSHIN EXPRESS HIGHWAY				
HAKONE SKYLINE HIGHWAY				
. . .				
*** UPDATE DATA ***				

SELECT "TOMEI EXPRESS HIGHWAY"

(c)

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP		SELECT CATEGORY		
SHUTOKOH EXPRESS CIRCLE		<input type="checkbox"/> BACKGROUND		
TOMEI EXPRESS HIGHWAY		<input checked="" type="checkbox"/> ROAD		
HANSHIN EXPRESS HIGHWAY		<input checked="" type="checkbox"/> NETWORK		
HAKONE SKYLINE HIGHWAY		<input checked="" type="checkbox"/> GUIDANCE		
. . .		<input type="checkbox"/> GUIDE SEARCH		
*** UPDATE DATA ***				


SELECT CATEGORY FOR DATA UPDATE AND THEN SELECT "OK"

(d)

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP		DATA UPDATE STATUS		
SHUTOKOH EXPRESS CIRCLE		VOLUME . . kbyte		
TOMEI EXPRESS HIGHWAY		APPROXI-MATELY . . SEC		
HANSHIN EXPRESS HIGHWAY		UPDATE DATA?		
HAKONE SKYLINE HIGHWAY		<input type="button" value="YES"/> <input type="button" value="NO"/>		
. . .				
*** UPDATE DATA ***				

SELECT "YES" TO UPDATE DATA

(e)

UPDATE DATA	VERIFY ROUTE	REGI-STER	VIEW INFOR-MATION	SELECT SETTINGS
FROM MAP		DATA UPDATE IN PROGRESS		
SHUTOKOH EXPRESS CIRCLE		 <input type="button" value="CANCEL"/>		
TOMEI EXPRESS HIGHWAY				
HANSHIN EXPRESS HIGHWAY				
HAKONE SKYLINE HIGHWAY				
. . .				
*** UPDATE DATA ***				

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FIG.22

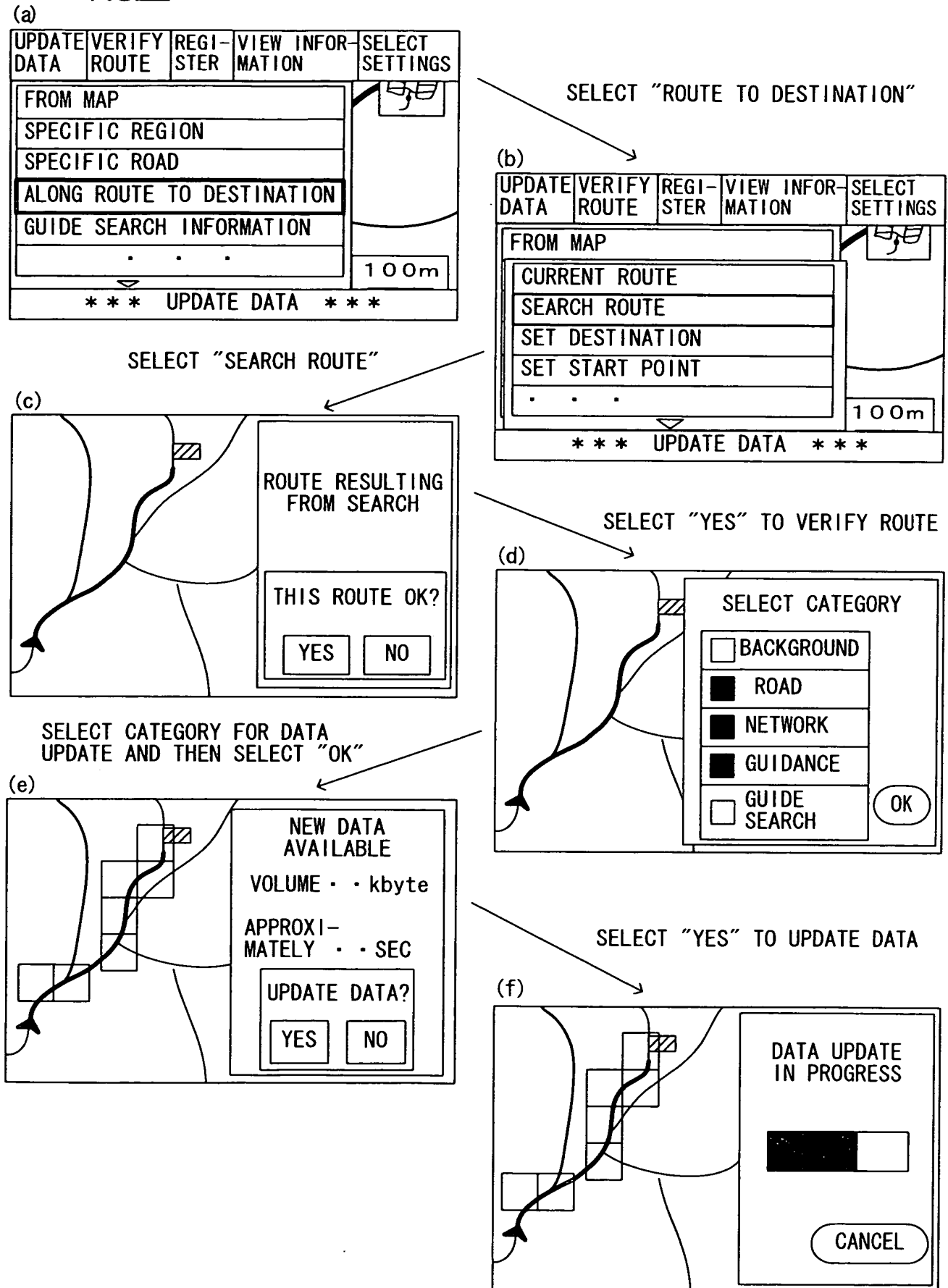


FIG.23

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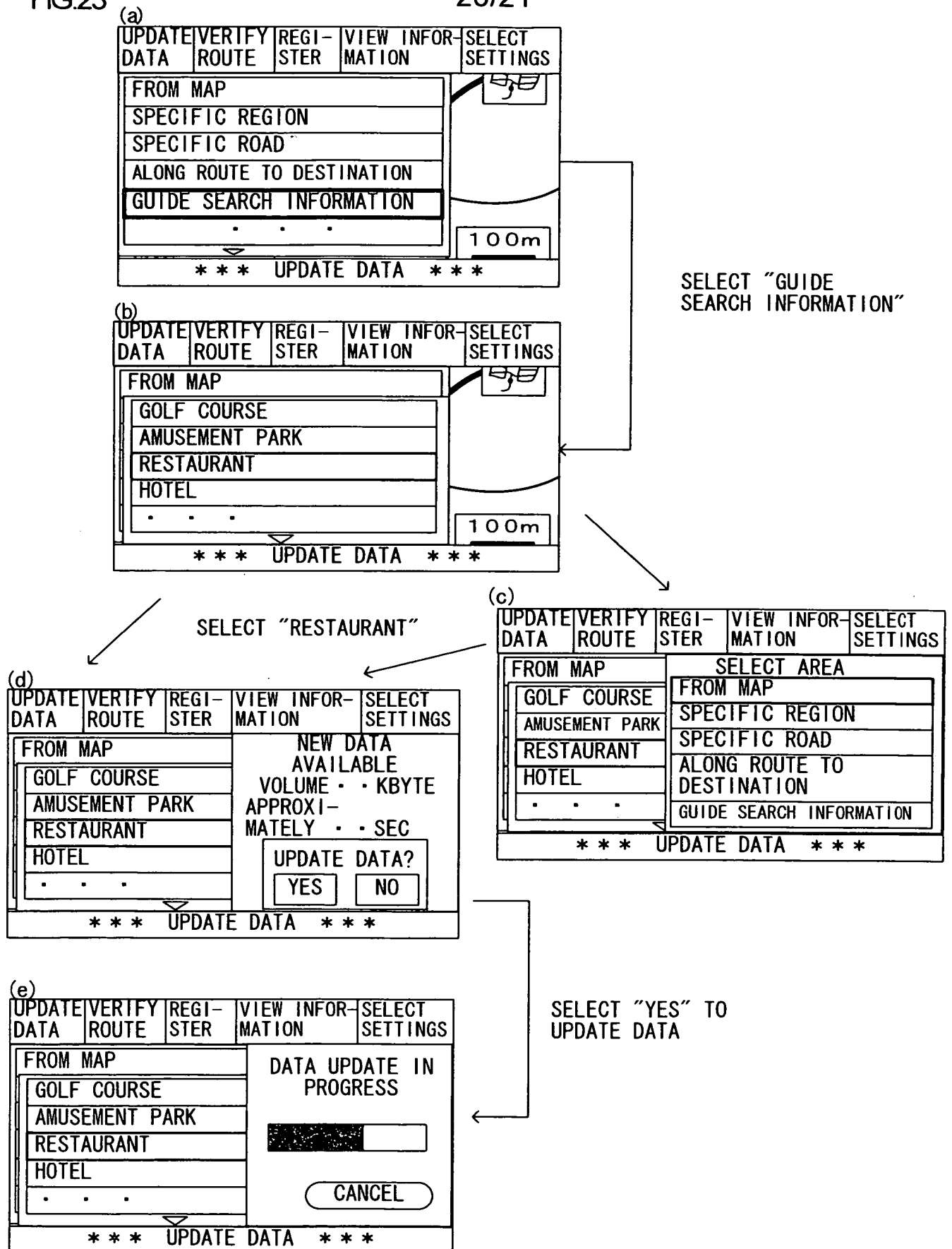


FIG.24

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